

PROCESS FOR ESTABLISHING DEPTH OF FOOTINGS TO COMPENSATE FOR EXPECTED SCOUR

The predicted scour depths for the footings are set forth in the hydraulic report which is part of the preliminary report. These depths of scour are arrived at by the hydraulic designer using a combination of formulas and some judgement about the site, history of the stream, predicted development of the area and other factors.

Historical scour depths and depths of scourable material are determined by drilling at the site by geotechnical units. When estimated scour depths from this information are in conflict with that estimated by the hydraulic designer, the conflict shall be resolved by the hydraulic designer and the geotechnical engineer. If the conflict is resolved by changing the predicted scour depth, a supplement will be written to the Preliminary Report.

The depth of footing on the design plan should always agree with the depth shown in the final preliminary report.



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